

Appl. No. : 10/063,565  
Filed : May 2, 2002

### AMENDMENTS TO THE CLAIMS

- 1-4. (Canceled).
5. (Currently amended) An isolated polypeptide having at least 9995% amino acid sequence identity to:
- (a) the amino acid sequence of the polypeptide of SEQ ID NO:58;
  - (b) the amino acid sequence of the polypeptide of SEQ ID NO:58 lacking its associated signal peptide;
  - (c) the amino acid sequence of the extracellular domain of the polypeptide of SEQ ID NO:58;
  - (d) the amino acid sequence of the extracellular domain of the polypeptide of SEQ ID NO:58, together with its associated signal peptide; or
  - (e) the amino acid sequence of the polypeptide encoded by the full-length coding sequence of the cDNA deposited under ATCC accession number 209963,
- wherein said polypeptide is more highly expressed in esophageal tumor than in normal esophagus tissue or wherein said polypeptide is encoded by a polynucleotide that is more highly expressed in esophageal tumor than in normal esophagus tissue.
6. (Previously presented) An isolated polypeptide comprising:
- (a) the amino acid sequence of the polypeptide of SEQ ID NO:58;
  - (b) the amino acid sequence of the polypeptide of SEQ ID NO:58 lacking its associated signal peptide;
  - (c) the amino acid sequence of the extracellular domain of the polypeptide of SEQ ID NO:58 ;
  - (d) the amino acid sequence of the extracellular domain of the polypeptide of SEQ ID NO:58, together with its associated signal peptide; or
  - (e) the amino acid sequence of the polypeptide encoded by the full-length coding sequence of the cDNA deposited under ATCC accession number 209963.
7. (Previously presented) The isolated polypeptide of Claim 6 comprising the amino acid sequence of the polypeptide of SEQ ID NO:58.
8. (Previously presented) The isolated polypeptide of Claim 6 comprising the amino acid sequence of the polypeptide of SEQ ID NO:58, lacking its associated signal peptide.

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9. (Previously presented) The isolated polypeptide of Claim 6 comprising the amino acid sequence of the extracellular domain of the polypeptide of SEQ ID NO:58.

10. (Previously presented) The isolated polypeptide of Claim 6 comprising the amino acid sequence of the extracellular domain of the polypeptide of SEQ ID NO:58, lacking its associated signal peptide.

11. (Previously presented) The isolated polypeptide of Claim 6 comprising the amino acid sequence of the polypeptide encoded by the full-length coding sequence of the cDNA deposited under ATCC accession number 209963.

12. (Previously presented) A chimeric polypeptide comprising a polypeptide according to Claim 5 fused to a heterologous polypeptide.

13. (Previously presented) The chimeric polypeptide of Claim 12, wherein the heterologous polypeptide is a tag polypeptide or an Fc region of an immunoglobulin.

14. (New) An isolated polypeptide having at least 95% amino acid sequence identity to:

(a) the amino acid sequence of the polypeptide of SEQ ID NO:58;

(b) the amino acid sequence of the polypeptide of SEQ ID NO:58, lacking its associated signal peptide;

(c) the amino acid sequence of the extracellular domain of the polypeptide of SEQ ID NO:58;

(d) the amino acid sequence of the extracellular domain of the polypeptide of SEQ ID NO:58, including its associated signal peptide; or

(e) the amino acid sequence of the polypeptide encoded by the full-length coding sequence of the cDNA deposited under ATCC accession number 209963;

wherein said isolated polypeptide or a fragment thereof can be used to generate an antibody which can be used to specifically detect the polypeptide of SEQ ID NO:58 in an esophagus tissue sample.

15. (New) The isolated polypeptide of Claim 14 having at least 98% amino acid sequence identity to:

(a) the amino acid sequence of the polypeptide of SEQ ID NO:58;

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(b) the amino acid sequence of the polypeptide of SEQ ID NO:58, lacking its associated signal peptide;

(c) the amino acid sequence of the extracellular domain of the polypeptide of SEQ ID NO:58;

(d) the amino acid sequence of the extracellular domain of the polypeptide of SEQ ID NO:58, including its associated signal peptide; or

(e) the amino acid sequence of the polypeptide encoded by the full-length coding sequence of the cDNA deposited under ATCC accession number 209963;

wherein said isolated polypeptide or a fragment thereof can be used to generate an antibody which can be used to specifically detect the polypeptide of SEQ ID NO:58 in an esophagus tissue sample.

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16. (New) The isolated polypeptide of Claim 14 having at least 99% amino acid sequence identity to:

(a) the amino acid sequence of the polypeptide of SEQ ID NO:58;

(b) the amino acid sequence of the polypeptide of SEQ ID NO:58, lacking its associated signal peptide;

(c) the amino acid sequence of the extracellular domain of the polypeptide of SEQ ID NO:58;

(d) the amino acid sequence of the extracellular domain of the polypeptide of SEQ ID NO:58, including its associated signal peptide; or

(e) the amino acid sequence of the polypeptide encoded by the full-length coding sequence of the cDNA deposited under ATCC accession number 209963;

wherein said isolated polypeptide or a fragment thereof can be used to generate an antibody which can be used to specifically detect the polypeptide of SEQ ID NO:58 in an esophagus tissue sample.

17. (New) A chimeric polypeptide comprising a polypeptide according to Claim 14 fused to a heterologous polypeptide.

18. (New) The chimeric polypeptide of Claim 17, wherein said heterologous polypeptide is a tag polypeptide or an Fc region of an immunoglobulin.

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19. (New) The isolated polypeptide of Claim 5 having at least 98% amino acid sequence identity to:

- (a) the amino acid sequence of the polypeptide of SEQ ID NO:58;
- (b) the amino acid sequence of the polypeptide of SEQ ID NO:58 lacking its associated signal peptide;
- (c) the amino acid sequence of the extracellular domain of the polypeptide of SEQ ID NO:58;
- (d) the amino acid sequence of the extracellular domain of the polypeptide of SEQ ID NO:58, together with its associated signal peptide; or
- (e) the amino acid sequence of the polypeptide encoded by the full-length coding sequence of the cDNA deposited under ATCC accession number 209963,

wherein said polypeptide is more highly expressed in esophageal tumor than in normal esophagus tissue or wherein said polypeptide is encoded by a polynucleotide that is more highly expressed in esophageal tumor than in normal esophagus tissue.

20. (New) The isolated polypeptide of Claim 5 having at least 99% amino acid sequence identity to:

- (a) the amino acid sequence of the polypeptide of SEQ ID NO:58;
- (b) the amino acid sequence of the polypeptide of SEQ ID NO:58 lacking its associated signal peptide;
- (c) the amino acid sequence of the extracellular domain of the polypeptide of SEQ ID NO:58;
- (d) the amino acid sequence of the extracellular domain of the polypeptide of SEQ ID NO:58, together with its associated signal peptide; or
- (e) the amino acid sequence of the polypeptide encoded by the full-length coding sequence of the cDNA deposited under ATCC accession number 209963,

wherein said polypeptide is more highly expressed in esophageal tumor than in normal esophagus tissue or wherein said polypeptide is encoded by a polynucleotide that is more highly expressed in esophageal tumor than in normal esophagus tissue.